

fourteen ; the **Ftcapula.** has **not** the **concave** face that it has in **Physeter.** The functional **tcetli** of the lower jaw seem **to** be **reinforced** by two on **each** side of the upper **jaw.** **Moreover,** **the articulation of the ribs with the vertebrae does not yhow** the very **anomalous** state of affairs **that** characterises **Physeter,** where the two heads of a rib **may be upon** one vertebra. **"While there is no doubt** as to the generic **distinctness of Ktigin,** there is again **the same** difficulty **that** is **met** with throughout the whole of the order in **settling** into how **many** species **the genus requires** dividing.

"We can dismiss, as **unnecessary,** additional generic **names** (**J57tt/j/fys*tffWJ, Galligtmthva'j,** but there do appear to be reasons for allowing: two species, if the accounts of **their** osteology are **to** be depended upon. One **of these** is **JC. Irrevicfi*s,** with thirteen pairs of ribs, no teeth in the upper jaw, **fourteen** or fifteen on each side of the lower jaw, vertebral **formula G V, D 13, JL 9, Ca 25,** and **phalangeal formula I 2, 11 8, III 8, IT 8, V 7.**

The other will then be JC. simus, with fourteen pairs of ribs, two teeth in the upper jaw, nine in each **ramus** of the lower jaw, vertebral **formula C 7* D 14, L 5, Ca 24s** and **phalangeal formula I 2, II 5, III 4, IV 4, V 2.**

A California!! species has been called **^K. Jtoweri.,** whose teeth, seem to be particularly long and recurved. And the **IsTew Zealand** **IC. pott&i** has been held to be also a distinct **form.** There seems to be nothing of special interest to record about the way of life of these Cetaceans, which are but imperfectly known,

Sub-Fam. 2. **Ziphiinae.**—Teeth in the lower jaw not more than two on each side. A distinct **lachrymal** bone. Stomach with very **numerous** compartments.

These Whales are all of **moderate** size, not exceeding 30 feet or so in length. They have a falcate dorsal fin rather near the end of the body ; the **muzzle** is prolonged, hence the name often given to them of " Beaked **Whales.**" The throat is grooved; the blow-hole is single and median* **crescentic** in form, with the concavity pointing forwards. A character possibly differentiating the Ziphioids from other Whales is the fact that the body **ends in a rounded** projection between the flukes of the tail.

This has at any rate been noted in *Mesoplodon**
Jeffiphiw, and
Hyperoodon^ The Ziphoid Whales are by no
means common;
indeed of *Mesoplodon* but four or five specimens
have ever been